

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Application No.: To Be Assigned  
Applicant: T. Kishigami et al.  
Filed: August 6, 2003  
Title: RADIO-WAVE ARRIVAL-DIRECTION ESTIMATING APPARATUS  
AND DIRECTIONAL VARIABLE TRANSCEIVER  
TC/A.U.:  
Examiner:  
Confirmation No.:  
Docket No.: MAT-8207US1

**DIVISIONAL OF:**

Application No.: 10/020,477  
Applicant: T. Kishigami et al.  
Filed: December 12, 2001  
Title: RADIO-WAVE ARRIVAL-DIRECTION ESTIMATING APPARATUS  
AND DIRECTIONAL VARIABLE TRANSCEIVER  
TC/A.U.: 3662  
Examiner: Dao Linda Phan  
Confirmation No.: 6798  
Docket No.: MAT-8207US

**SUPPLEMENTAL PRELIMINARY AMENDMENT**

Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

- ☒ **Amendments to the Specification** begin on page **2** of this paper.
- ☒ **Amendments to the Claims** are reflected in the listing of claims which begins on page **4** of this paper.
- ☒ **Amendments to the Drawings** begin on page **22** of this paper and include attached replacement sheets.
- ☐ **Amendments to the Abstract** are on page \_\_\_\_ of this paper. A clean version of the Abstract is on page \_\_\_\_\_ of this paper.
- ☐ **Remarks/Arguments** begin on page \_\_\_\_\_ of this paper.

**Amendments to the Drawings:**

The attached sheets of drawings include changes to Figures 9 and 16. These sheets replace the original sheets.

Figure 9 -- English translation

Figure 16 -- Japanese phrase after "69" replaced with English translation

Attachments